

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	27	((PRASAD) near2 (DUGGI RALA)).INV.	US-PGPUB; USPAT	OR	OFF	2008/08/25 11:47
S2	20	((SERGEY) near2 (SHEVCHENKO)).INV.	US-PGPUB; USPAT	OR	OFF	2008/08/25 11:47
S3	3	(linolenic linoleic) and photoyellowing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 12:08
S4	2431	(linolenic linoleic) and yellowing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 12:09
S5	0	(linolenic linoleic) and "brightness reversion"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 12:09
S6	4	(linolenic linoleic) and "brightness reversion"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 12:09
S7	312	(linolenic linoleic) and "162".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 12:12
S8	64	(linolenic linoleic) and "162".clas. and brightness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 12:13
S9	0	"birtness reversion" and (oxidation or oxidant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 12:20
S10	75	"brightness reversion" and (oxidation or oxidant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 12:20
S11	17	"brightness reversion" and (oxidation or oxidant) and antioxidant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 12:37
S12	8	("20020056534"   "5035772"   "6319361"   "6599326").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 13:31

S13	15	("3017316"   "3068141"   "3393122"   "4008121"   "4339238"   "4401810"). PN. OR ("5035772"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/25 13:34
S14	9	("6187136" "6045656" "4183989" "4037007" "5846788" "5120776" "5008310" "4045959" "5211810" "200402099052").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/25 13:37
S15	3	("4432921"   "5203964"). PN. OR ("6187136"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/25 13:39
S16	0	(linolenic linoleic) same antioxidant and "162". clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:22
S17	1	(linolenic linoleic) same antioxidant and "162". clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:23
S18	64	(linolenic linoleic) and "162".clas. and brightness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:23
S19	0	((linolenic linoleic) same UV-absorber) and "162". clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:25
S20	0	((linolenic linoleic) same UV same absorber) and "162".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:25
S21	0	((linolenic linoleic) same UV) and "162".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:25
S22	1	((linolenic linoleic) same antioxidant) and "162". clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:26
S23	0	((linolenic linoleic) same stilbene) and "162".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:26
S24	1	((linolenic linoleic) same reversion) and "162".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:26

S25	415	((linolenic linoleic) same UV)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:27
S26	3	((linolenic linoleic) same UV) and brightness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:27
S27	1165	((linolenic linoleic)) and pulp and additive	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:29
S28	78	((linolenic linoleic)) and pulp and additive and "162".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:29
S29	2	((linolenic linoleic)) and "reversion inhibitor"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:34
S30	2727	((linolenic linoleic)) and pulp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:35
S31	43	((linolenic linoleic)) and pulp and reversion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:35
S32	63	((linolenic linoleic)) and pulp and UV and absorber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 14:36
S33	6	((linolenic linoleic)) and pulp	JPO	OR	OFF	2008/08/25 15:04
S34	14	((linolenic linoleic)) and paper	JPO	OR	OFF	2008/08/25 15:05
S35	414	((linolenic linoleic)) and "UV absorber"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 15:07
S36	8	"fatty acid" and "reversion inhibitor"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 15:13
S37	3	"fatty acid" and "UV absorber" and "162".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 15:14
S38	0	"photyellowing" and (oxidation or oxidant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 17:10

S39	32	"photoyellowing" and (oxidation or oxidant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 17:10
S40	32	"photoyellowing" and (oxidation or oxidant or oxidizing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 17:18
S41	7	"photo-yellowing" and (oxidation or oxidant or oxidizing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 17:19
S42	266	"reversion" and (oxidation or oxidant or oxidizing) and pulp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 17:19
S43	2	"20030208859".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 17:52
S44	5	"2527563".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 17:55
S45	2	"5223090".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 17:56
S46	2	"5759349".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 17:56
S47	446	"optical brighteners" and bonding and pulp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 18:08
S48	0	"optical brighteners" and fixation and pulp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 18:08
S49	40	"optical brighteners" and fixation and pulp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/25 18:08
S50	5399	grafting and (oxidation oxidative oxidate oxidant) and cellulose	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/26 08:38
S51	25	grafting and (oxidation oxidative oxidate oxidant) and cellulose and "162". clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/26 08:38

S52	9	("6187136" "6045656" "4183989" "4037007" "5846788" "5120776" "5008310" "4045959" "5211810" "200402099052").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 09:33
S53	0	S52 and linoleic	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 09:33
S54	0	S52 and linolenic	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 09:33
S55	3	("4432921"   "5203964"). PN. OR ("6187136"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 09:34
S56	0	grafting and (oxidation oxidative oxidate oxidant) and cellulose and "162". clas. and linoleic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/26 09:40
S57	2	grafting and cellulose and "162".clas. and linoleic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/26 09:40
S58	2	grafting and cellulose and "162".clas. and linolenic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/26 09:42
S59	62	(linolenic linoleic) and "162".clas. and "wet strength"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/26 09:48
S60	7	((("LARS SAABY") near2 (PEDERSEN)).INV.	US-PGPUB; USPAT	OR	OFF	2008/08/26 10:17
S61	16	("2485587"   "3093607"   "4432921"   "5424382"   "5530112").PN. OR ("5846788").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 10:20
S62	0	S61 and linoleic	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 10:27
S63	0	S61 and linolenic	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 10:28
S64	12	("2388487"   "3686383"   "3900334"   "4007312"   "4022965"   "4409170"   "4454005"   "4496718"   "5021122"   "5846788"   "6245269").PN. OR ("7326317").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 10:28
S65	0	S64 and linoleic	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 10:29
S66	0	S64 and linolenic	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/26 10:29

S67	312	(linolenic linoleic) and "162".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/26 11:24
S68	10	"oxidative coupling" and "162".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/26 11:26
S69	0	"oxidative coupling" and "162".clas. and carboxylic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/26 11:30
S70	3	"oxidative coupling" and "162".clas. and carboxylic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/26 11:30
S71	2	"oxidative coupling" and "162".clas. and "fatty acids"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/08/26 11:31
S73	2229	(162/9 162/158).cds.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/27 16:26
S74	180	(162/9 162/158).cds. and oxidation	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/27 16:30
S75	12	((US-20020174964-\$ or US-20050092452-\$ or US-20060054290-\$).did. or (US-6824645-\$ or US-6632328-\$ or US-5472486-\$ or US-5529660-\$ or US-6136041-\$ or US-6187136-\$ or US-7326317-\$ or US-6287708-\$ or US-6207009-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/08/29 09:21
S76	0	((US-20020174964-\$ or US-20050092452-\$ or US-20060054290-\$).did. or (US-6824645-\$ or US-6632328-\$ or US-5472486-\$ or US-5529660-\$ or US-6136041-\$ or US-6187136-\$ or US-7326317-\$ or US-6287708-\$ or US-6207009-\$).did.) and eugenol	US-PGPUB; USPAT	OR	OFF	2008/08/29 09:22

S77	0	((US-20020174964-\$ or US-20050092452-\$ or US-20060054290-\$).did. or (US-6824645-\$ or US-6632328-\$ or US-5472486-\$ or US-5529660-\$ or US-6136041-\$ or US-6187136-\$ or US-7326317-\$ or US-6287708-\$ or US-6207009-\$).did.) and lsoeugenol	US-PGPUB; USPAT	OR	OFF	2008/08/29 09:22
S78	1	((US-20020174964-\$ or US-20050092452-\$ or US-20060054290-\$).did. or (US-6824645-\$ or US-6632328-\$ or US-5472486-\$ or US-5529660-\$ or US-6136041-\$ or US-6187136-\$ or US-7326317-\$ or US-6287708-\$ or US-6207009-\$).did.) and gallate	US-PGPUB; USPAT	OR	OFF	2008/08/29 09:22
S79	24	gallate and "162".clas.	US-PGPUB; USPAT	OR	OFF	2008/08/29 09:31
S80	14	eugenol and "162".clas.	US-PGPUB; USPAT	OR	OFF	2008/08/29 09:47
S81	65	grafting and hydrophobic and "162".clas.	US-PGPUB; USPAT	OR	OFF	2008/08/29 09:50
S82	2	grafting and hydrophobic and "162".clas. and laccase	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/29 09:51
S83	1	graft and hydrophobic and "162".clas. and laccase	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/29 09:52
S84	3	coupling and hydrophobic and "162".clas. and laccase	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/29 09:53
S85	55	graft and hydrophobic and cellulose and laccase	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/29 11:08
S86	1	"6425401".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/29 13:21
S87	1	"6202649".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/29 13:22

S88	200	"20030041965" "20040054372" "20040244164" "20050225009" "20070160654" "20070164468" "20080075900" "4271116" "4297409" "4346135" "4410586" "4421827" "4427735" "4461842" "4569114" "4573517" "4613393" "4764422" "4770838" "4783349" "4818633" "4843946" "4861679" "4871412" "4891084" "4891179" "4919992" "4928745" "4979992" "5053175" "5066536" "5180633" "5219642" "5230946" "5230951" "5236321" "5236458" "5240654" "5242746" "5249620" "5261462" "5266609" "5288547" "5370918" "5376701" "5378500" "5380583" "5435867" "5475904" "5477092" "5492719" "5503893" "5503928" "5521015" "5536533" "5546648" "5567518" "5580646" "5641252" "5643663" "5658510" "5662761" "5665573" "5675837" "5700417" "5709829" "5717263" "5728336" "5747137" "5753062" "5806796" "5814389" "5829373" "5869767" "5879778" "5897922" "5922163" "5922460" "5922626" "5925461" "5932496" "5933703" "5948706" "6007468" "6027786" "6077607" "6079351" "6103007" "6106650" "6118042" "6129951" "6177146" "6180223" "6200197" "6206742" "6346165" "6365077" "6451153" "7210206" RE31960 "3554212" "3554286" "3554379" "3557852" "3565176" "3573858" "3578834" "3581631"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/29 15:14
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S94	1	polyacrylate near size and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/29 16:37
S95	21	polyacrylate same hydrophobic and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/29 16:38
S96	2	"5885340" and cationic	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/29 16:39

S97	936	cationic same size and "162". clas	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/29 16:40
S98	33	cationic and hydrophobic and non-reactive and size and "162". clas	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/29 17:24
S99	1	"5,498,648". PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/29 17:26
S100	14	(US-20020174964-\$ or US-20050092452-\$ or US-20060054290-\$).did. or (US-6824645-\$ or US-6632328-\$ or US-5472486-\$ or US-5529660-\$ or US-6136041-\$ or US-6187136-\$ or US-7326317-\$ or US-6287708-\$ or US-6207009-\$ or US-5424382-\$ or US-5665573-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/09/02 10:39
S101	1	S100 and gallate	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/02 10:39
S102	0	S100 and eugenol	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/02 10:41
S103	1	"6830657". PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/02 10:45
S104	2	"6830657"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/02 11:16
S105	37	graft\$3 same hydrophobic and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 11:33
S106	2	graft\$3 same hydrophobic same (thermo\$1 plastic\$1 thermo\$1 sett\$4) \and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 11:46
S107	94	(graft\$3 attach) same hydrophobic and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 11:49
S108	28	(graft\$3 attach) same hydrophobic same (fiber fibre lignin) and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 11:57
S109	22	(peroxide laccase) same hydrophobic same (fiber fibre lignin) and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 12:12
S110	3	("4432921"   "5203964"). PN. OR ("6187136"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 12:48
S111	0	oxidative same bonding same hydrophobic and "162". clas	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 12:49
S112	14	oxidative same bonding and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 12:49

S113	37	(peroxide laccase) and (fiber fibre) near2 modification and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 13:18
S114	7	(peroxide laccase) and (fiber fibre) near2 modification and "162". clas. and hydrophobic	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 13:24
S115	7	(peroxide laccase) and (fiber fibre) near2 modification and "162". clas. and hydrophobic\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 13:27
S116	7	(peroxide laccase) and (fiber fibre) near2 modification and "162". clas. and hydrophobic\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/06/11 13:27
S117	10	(peroxide laccase) and (fiber fibre lignin) near2 modification and "162". clas. and hydrophobic\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/06/11 13:27
S118	133	(peroxide laccase) and (fiber fibre lignin) near2 modification and hydrophobic\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/06/11 14:51
S119	126	(peroxide laccase) and (fiber fibre lignin) near2 modification and hydrophobic\$6 not S113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/06/11 14:51
S120	109	(peroxide laccase) and (fiber fibre lignin) near2 graft\$3 and hydrophobic \$6 not S113 not S119	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/06/11 15:04
S121	121	(peroxide laccase) and (fiber fibre lignin) near2 graft\$3 and hydrophobic \$6 not S113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/06/11 15:04
S122	109	(peroxide laccase) and (fiber fibre lignin) near2 graft\$3 and hydrophobic \$6 not S119	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/06/11 15:05
S123	1	(peroxide laccase) and (fiber fibre lignin) near2 graft\$3 and hydrophobic \$6 not S119 and (eugenol isoeugenol gallate gallic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/06/11 15:15
S124	7	(peroxide laccase) and (fiber fibre lignin) near2 graft\$3 and hydrophobic\$6 not S119	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/06/11 15:17

S125	11	("4045595"   "4400496"   "4687828"   "4769434"   "4889902"   "4891404"   "4891415"   "4931527"   "4940764"   "4990270"   "5037931").PN	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 16:02
S126	1	("6013774").URPN	USPAT	OR	OFF	2009/06/11 16:03
S127	0	("4045595"   "4400496"   "4687828"   "4769434"   "4889902"   "4891404"   "4891415"   "4931527"   "4940764"   "4990270"   "5037931").PN. and (eugenol isoeugenol gallate gallic)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 16:04
S128	0	("4045595"   "4400496"   "4687828"   "4769434"   "4889902"   "4891404"   "4891415"   "4931527"   "4940764"   "4990270"   "5037931").PN. and (eugenol isoeugenol gallate gallic)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 16:04
S129	4075	(eugenol isoeugenol gallate gallic) and graft\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 16:05
S130	1192	(eugenol isoeugenol gallate gallic) and (graft\$3 modification) and (fibre fiber lignin)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 16:05
S131	1048	(eugenol isoeugenol gallate gallic) and (graft\$3 modification) and (fibre fiber lignin) and (oxidizer oxidant radical peroxide enzyme laccase)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 16:06
S132	53	(eugenol isoeugenol gallate gallic) same2 (graft \$3 modification) and (fibre fiber lignin) and (oxidizer oxidant radical peroxide enzyme laccase)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 16:06
S133	53	(eugenol isoeugenol gallate gallic) same2 (graft \$3 modification) and (fibre fiber lignin) and (oxidizer oxidant radical peroxide enzyme laccase)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 16:06

S134	62	(eugenol isoeugenol gallate gallic) same3 (graft \$3 modification) and (fibre fiber lignin) and (oxidizer oxidant radical peroxide enzyme laccase)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 16:09
S135	9	(eugenol isoeugenol gallate gallic) same3 (graft \$3 modification) and (fibre fiber lignin) and (oxidizer oxidant radical peroxide enzyme laccase) not S133	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 16:09
S136	501	(eugenol isoeugenol gallate gallic \$4hydroxybenz\$5) same3 (graft\$3 modification) and (fibre fiber lignin) and (oxidizer oxidant radical peroxide enzyme laccase) not S133	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 16:42
S137	493	(\$4hydroxybenz\$5) same3 (graft\$3 modification) and (fibre fiber lignin) and (oxidizer oxidant radical peroxide enzyme laccase) not S133	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 16:42
S138	194	(\$4hydroxybenz\$5) same1 (graft\$3 modification) and (fibre fiber lignin) and (oxidizer oxidant radical peroxide enzyme laccase) not S133	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 16:42
S139	10	(\$4hydroxybenz\$5) same1 (graft\$3 modification) same (fibre fiber lignin) and (oxidizer oxidant radical peroxide enzyme laccase) not S133	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 16:42
S140	3	(\$4hydroxybenz\$5) same1 (graft\$3 modification) and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 16:43
S143	1	"6830657". pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/15 10:01
S144	2	"3640936". pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/15 10:12
S145	392175	(thermo\$1se\$5 thermo \$1plastic\$1) andhydrophobic and (siz \$3 "wet strength") and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/15 10:18

S146	481	(thermo\$1se\$5 thermo \$1plastic\$1) and hydrophobic and (siz\$3 "wet strength") and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/15 10:19
S147	21	(thermo\$1se\$5 thermo \$1plastic\$1) same polymer same hydrophobic same (siz\$3 "wet strength") and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/15 10:19
S148	0	(thermo\$1se\$5 thermo \$1plastic\$1) near10 polymer near10 hydrophobic near10 (siz\$3 "wet strength") and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/15 10:39
S149	0	(thermo\$1se\$5 thermo \$1plastic\$1) near15 polymer near15 hydrophobic near15 (siz\$3 "wet strength") and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/15 10:39
S150	0	(thermo\$1se\$5 thermo \$1plastic\$1) near15 polymer near15 hydrophobic near15 (siz\$3 "wet strength") and "162". clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/06/15 10:42
S151	4	(thermo\$1se\$5 thermo \$1plastic\$1) near15 hydrophobic near15 (siz\$3 "wet strength") and "162". clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/06/15 10:42
S152	676	graft\$3 and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/09 14:25
S153	49	graft\$3 same hydrophobic \$4 and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/09 14:25
S154	0	graft\$3 same eugenol and lignocellulos\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/09 14:33
S155	23	graft\$3 same eugenol	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/09 14:34
S156	59	graft\$3 same2 (iso \$1eugenol eugenol)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/09 14:35
S157	36	graft\$3 same2 (iso \$1eugenol eugenol) not S155	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/09 14:35
S158	126	graft\$3 same2 (iso \$1eugenol eugenol gallate) not S155	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/09 14:36
S159	90	graft\$3 same2 (iso \$1eugenol eugenol gallate) not S156	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/09 14:36



S160	31	graft\$3 same (iso \$1eugenol eugenol gallate) not S156	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/09 14:36
S161	676	graft\$3 and "162".clas. not S156	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/09 14:37
S162	676	graft\$3 and "162".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/09 14:37
S163	123	graft\$3 and (lignocellulose lignin pehnol\$2) and "162".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/09 14:37
S164	47	graft\$3 and (lignocellulose lignin pehnol\$2) and hydropho\$4 and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/09 14:38
S165	16	D21H11/20	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/09 14:49
S166	4	D21H11/20 and hydrophobic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/09 14:52
S167	22	D21H11/20 and hydrophobic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/09 14:53
S168	7	D21H11/20 and hydrophobic and graft\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/09 14:53
S169	13	D21H11/\$2 and hydrophobic and graft\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/09 14:54
S170	6	D21H11/\$2 and hydrophobic and graft\$3 not S168	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/09 14:55
S171	15	D21H\$5 and hydrophobic near10 graft\$3 not S168	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/09 14:59
S172	2	"4804384".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/09 15:28
S173	14	((JOHANNA) near2 (BUCHERT)).INV.	US-PGPUB; USPAT	OR	OFF	2010/11/10 10:11
S174	783	((dodecyl adj gallate) dodecyl\$1 gallate)	US-PGPUB; USPAT	OR	OFF	2010/11/10 10:52
S175	25	((dodecyl adj gallate) dodecyl\$1 gallate) and grafting	US-PGPUB; USPAT	OR	OFF	2010/11/10 10:52

S176	25	((dodecyl adj gallate) dodecyl\$1gallate) and grafting	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 10:52
S177	0	((dodecyl adj gallate) dodecyl\$1gallate) and grafting and ligno\$1cellulos\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 10:53
S178	2	((dodecyl adj gallate) dodecyl\$1gallate) and ligno\$1cellulos\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 10:53
S179	59305	((dodecyl adj gallate) dodecyl\$1gallate (propyl gallate) propyl\$1gallate) and (graft\$3 ligno\$1cellulos\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 10:55
S180	2135	((dodecyl adj gallate) dodecyl\$1gallate (propyl adj gallate) propyl\$1gallate) and (graft\$3 ligno\$1cellulos\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 10:55
S181	16	((dodecyl adj gallate) dodecyl\$1gallate (propyl adj gallate) propyl\$1gallate) and (ligno\$1cellulos\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 10:55
S182	2	((dodecyl adj gallate) dodecyl\$1gallate (propyl adj gallate) propyl\$1gallate) and (ligno\$1cellulos\$3) and graft\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 10:55
S183	2121	((dodecyl adj gallate) dodecyl\$1gallate (propyl adj gallate) propyl\$1gallate) and graft\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 10:56
S184	104	((dodecyl adj gallate) dodecyl\$1gallate (propyl adj gallate) propyl\$1gallate) and graft\$3 and pulp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 10:56
S185	1	((dodecyl adj gallate) dodecyl\$1gallate (propyl adj gallate) propyl\$1gallate) and graft\$3 and "162".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 10:56
S186	22	((dodecyl adj gallate) dodecyl\$1gallate (propyl adj gallate) propyl\$1gallate) and "162".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 10:56

S187	2	((dodecyl adj gallate) dodecyl\$1gallate (propyl adj gallate) propyl \$1gallate) and "162".clas. and laccase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 10:57
S188	2	((dodecyl adj gallate) dodecyl\$1gallate (propyl adj gallate) propyl \$1gallate (octanyl adj gallate)octanyl\$1gallate ) and "162".clas. and laccase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 10:58
S189	121	((dodecyl adj gallate) dodecyl\$1gallate (propyl adj gallate) propyl \$1gallate (octanyl adj gallate)octanyl\$1gallate ) and laccase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 10:58
S190	25	((dodecyl adj gallate) dodecyl\$1gallate (propyl adj gallate) propyl \$1gallate (octanyl adj gallate)octanyl\$1gallate ) and laccase and graft\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 10:58
S191	0	silan same coupling same lignocellulose	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:20
S192	2	silane same coupling same lignocellulose	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:20
S193	2	silane same coupl\$3 same lignocellulose	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:20
S194	23	silane same coupl\$3 and lignocellulose	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:20
S195	4	silane same coupl\$3 and lignocellulose and peroxide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:23
S196	12475	silane same coupl\$3 and peroxide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:23
S197	22	silane and peroxide and laccase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:24

S198	39	silane and laccase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:24
S199	22	silane and laccase and coupling	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:24
S200	3067	silane same hydrophobic same coupling	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:32
S201	0	silane same hydrophobic same coupling same hydrophilic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:32
S202	2	"4927953".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:33
S203	6	silane same eugenol and coupl\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:41
S204	2	"4,659,851".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:43
S205	1	silane same gallate and coupl\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:43
S206	1	silane same isoeugenol and coupl\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:44
S207	193	silane near10 "hydrogen peroxide" and coupling	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:53
S208	34	silane near10 "hydrogen peroxide" and coupling and (lignin fiber cellulose lignocellulose)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:54
S209	5172	silane same initiator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:54
S210	50	silane same initiator same "hydrogen peroxide"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:54

S211	5	silane near20 initiator near20 "hydrogen peroxide"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:55
S212	50	silane same initiator same "hydrogen peroxide"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:55
S213	0	silane same initiator same laccase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:57
S214	0	silane and initiator same laccase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:57
S215	27606	silane and initiator andlaccase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:57
S216	9	silane and initiator and laccase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:57
S217	3	silane same laccase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:57
S218	80	silane same peroxidase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 16:59
S219	224113	silane sameoxidase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 17:00
S220	105	silane same oxidase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 17:00
S221	73	silane same oxidase and coupling	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 17:00
S222	0	silane same oxidase and lignin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 17:00
S223	1	silane same oxidase and lignin\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 17:00

S224	1	silane same oxidase and lignin\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 17:00
S225	1	silane same oxidase and lignin\$8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 17:01
S226	1	silane same oxidase and lignin\$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 17:01
S227	33	silane and oxidase and lignin\$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 17:01
S228	11	silane and laccase and lignin\$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 17:02
S229	33	silane and oxidase and lignin\$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/11/10 17:02

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S141	22	(peroxide laccase) same bonding and "162".clas.	USPAT; UPAD	OR	OFF	2009/06/11 12:54
S142	20	(peroxide laccase) and (fiber fibre) near2 modification and "162". clas.	USPAT; UPAD	OR	OFF	2009/06/11 13:18

11/ 15/ 2010 12:09:20 PM

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